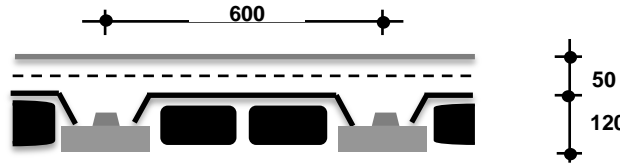


$D_L = 3.21 \text{ kN/m}^2$   
 $V_u = 69.34 \text{ mm}$   
 $V_L = 100.66 \text{ mm}$   
 $V_{oL} = 0.080 \text{ m}^3/\text{m}^2$   
 $I = 168.598 \times 10^6 \text{ mm}^4$   
 $F = 21.70 \text{ kN/m}$



# 170

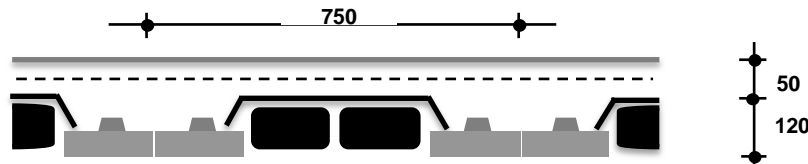
mm thick slab

150mm x 58mm Ribs

S120 Blocks (445mm wide)

M	WIRES	SPAN	3000	3500	4000	4500	5000	5500	6000	6500	7000	7500	8000	8500	9000	9500	10000
9.41	4		5.15	2.94	1.50	0.51											
11.76	5		7.24	4.47	2.67	1.44	0.55										
14.11	6		9.33	6.00	3.85	2.36	1.34	0.52									
16.46	7		<b>11.26</b>	7.54	5.02	3.29	2.06	1.14	0.45								
18.82	8			9.08	6.20	4.23	2.81	1.77	0.97	0.35							
21.17	9			<b>9.19</b>	7.38	5.15	3.56	2.39	1.49	0.80	0.25						
23.52	10				<b>7.64</b>	6.08	4.32	3.01	2.02	1.24	0.63						
25.87	11					<b>6.43</b>	5.07	3.63	2.54	1.69	0.72						
28.22	12						<b>5.47</b>	4.25	3.03	1.70							

$D_L = 3.39 \text{ kN/m}^2$   
 $V_u = 79.78 \text{ mm}$   
 $V_L = 90.22 \text{ mm}$   
 $V_{oL} = 0.086 \text{ m}^3/\text{m}^2$   
 $I = 276.617 \times 10^6 \text{ mm}^4$   
 $F = 34.49 \text{ kN/m}$



# 170

mm thick slab

2 x 150mm x 58mm Ribs

S120 Blocks (445mm wide)

M	WIRES	SPAN	3000	3500	4000	4500	5000	5500	6000	6500	7000	7500	8000	8500	9000	9500	10000
14.95	8		9.90	6.37	4.09	2.52	1.39	0.56									
18.69	10		13.22	8.82	5.96	3.99	2.59	1.55	0.76	0.15							
22.43	12		16.55	11.26	7.83	5.47	3.79	2.54	1.59	0.86	0.27						
26.17	14		<b>19.60</b>	13.70	9.70	6.95	4.98	3.53	2.43	1.57	0.88	0.33					
29.91	16			16.14	11.57	8.43	6.18	4.52	3.26	2.27	1.49	0.86	0.35				
33.64	18			<b>16.32</b>	13.43	9.90	7.37	5.51	4.09	2.98	2.10	1.39	0.82	0.21			
37.38	20				<b>13.86</b>	11.38	8.57	6.50	4.92	3.69	2.71	1.84	0.92				
41.12	22					<b>11.94</b>	9.77	7.48	5.75	4.40	3.05						
44.88	24						<b>10.41</b>	8.47	6.58	4.65							

$D_L$  = Slab Mass  
 $V_{oL}$  = Volume in-situ concrete  
 $F$  = Shear Force  
 $M$  = Moment of Resistance kNm/m  
 Wires= No. of 4.25 &. (Uts = 24kN)

Superimposed load in bold print limited by shear.  
 Superimposed load below  
 1. Broken line exceeds deflection span/350 in blue  
 2. Track line limited to deflection span/250 in orange  
 3. Solid line indicates deflection greater than 20mm.